

energized

Volume 5

THE MONTHLY NEWSLETTER FOR ENERGY MANAGERS AND PUBLIC AFFAIRS OFFICERS

Issue 9

Message To Energy Managers:

October is Energy Awareness Month, and with the rise in energy costs, so rises interest in becoming more energy efficient to offset those costs. The stage is set for promoting the benefits of energy efficiency, renewable energy and reducing dependence on imported oil.

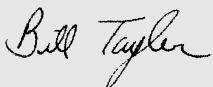
Thank you again for your hard work in making the Department of the Navy a leader in reducing energy costs and consumption.

It's appropriate that in this issue we spotlight Navy projects in Hawaii involving installation of solar energy systems which are achieving significant savings for water heating.

We look forward to hearing from you (per the enclosed survey) on the effectiveness of the Energy Awareness materials and tools provided to you by the DON Energy Program.

Generating the enthusiasm and actions necessary to make an energy efficient facility, command, and Department of the Navy is in your hands. You are the key to "Generating a Brighter Future."

Sincerely,



William F. Tayler
Navy Shore Energy
Program Manager

SUN SHINES BRIGHTLY ON HAWAII NAVY FAMILY HOUSING

"...we (the U.S. government) will work with businesses and communities to use the sun's energy to reduce our reliance on fossil fuels by installing solar panels on 1 million more roofs around our nation by 2010. Capturing the sun's warmth can help us to turn down the Earth's temperature."—President Clinton in a speech before the United Nations in June 1997



As part of his Million Solar Roofs Initiative, President Clinton committed the federal government to installing 20,000 solar systems on its buildings' rooftops by 2010. The Department of the Navy, and in particular the U.S. Navy in Hawaii, is ensuring that the President reaches his goal.

Already, 1,700 Federal solar systems have been installed: 1,448 of them in Hawaii, 1,350 of which were installed by the U.S. Navy in Hawaii. Another 1,000 installations are planned for Navy Housing in Hawaii.

Under Phase I, one hundred homes at Moanalua

Terrace Navy Family Housing were retrofitted with solar water heating systems, with financial assistance provided by the U.S. Department of Energy (DOE) and Hawaiian Electric Company (HECO).

Cost of the 100 units installed at Moanalua Terrace	
\$80,000	rebates provided by HECO (\$800 per retrofit unit)
\$10,000	other rebates
\$130,000	DOE funding for phase I
\$100,000	cost to DON
\$320,000	TOTAL COST

HECO provided a \$1,500 rebate per approved solar water heater on 652 new construction family housing units under following phases. Once completed, 752 families at Moanalua Terrace will enjoy the use of solar energy to heat their water. Future rebates will be reduced to \$1,000 per solar energy system on new construction units.

Residents in the Doris Miller housing area are also heating their water with solar energy. Fifty-six units were installed with financial assistance from HECO.

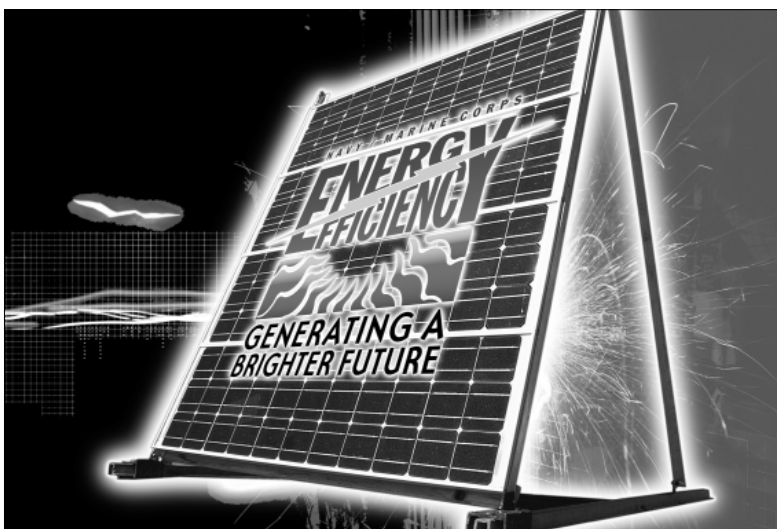
Cost of the 56 units installed in the Doris Miller Housing area	
\$154,000	DON cost
\$45,000	rebates from HECO
\$199,000	TOTAL COST

Continued on page 2

DON Energy Awareness Website: Access the tools on the Navy Energy website for ideas, planning tips, and tools. Set your browser to <http://energy.navy.mil> and scroll down the left-hand column to the Awareness pick.

The size of the systems vary. Most are single panel installations with 120-gallon storage tanks. Flat-plate panels at the Moanalua Terrace Phase I and Doris Miller installations, which were completed in April 1999, are about 4'x10'.

Based on pre- and post-installation monitoring of four solar water heaters at the Doris Miller Housing Project from May through July 1999, on average, the solar systems achieved 94% energy savings and 98% reduction of on-peak



During October, Energy Awareness Month, the Navy/Marine Corps Energy Efficiency Program achievements will be displayed in the Pentagon (see photo and article next month). One panel on the display demonstrates how the DON is Generating a Brighter Future through renewable energy.

energy demand for water heating.

Most of the units were installed when new housing units were constructed or existing housing units were revitalized under Housing MILCON projects. For more information on these systems, contact Eddie Ige at (808) 473-0252. For more information on the installations at Moanalua Terrace Phase I and Doris Miller, contact Eric Kawamoto at (808) 474-4518.

US NAVY IN HAWAII HONORED BY DOE



(left to right) DOE Regional Officer Eileen Yoshinaka, Rear Admiral Charles Kubic; HECO Vice President Customer Operations/General Counsel Jackie Mahi Erickson; Deputy Chief of Staff, Energy Efficiency and Renewable Energy Peter Dreyfuss; and Rear Admiral John Townes.

In May, 2000, the U.S. Department of Energy held a ceremony to recognize the U.S. Navy in Hawaii and the Hawaiian Electric Company for their outstanding achievements towards meeting the goals of the President's Million Solar Roofs Initiative. Recognition awards were presented to Rear Admiral John Townes III, Commander Navy Region of Hawaii; Rear Admiral Charles Kubic, Pacific Division (PACDIV), Navy Facilities Engineering Command; and Jackie Mahi Erickson, Vice President Customer Operations/ General Counsel of Hawaiian Electric Company. Individual appreciation awards were also presented to U.S. Navy staff: John Campos, Navy Aloha Center; Alan Ikeda, PACDIV Housing; Eric Kawamoto, PACDIV Utility; and Keith Block and Ron Richmond, Energy Services, HECO.

Did you know...

In the year 2010, the U.S. Department of Energy estimates that the Million Solar Roofs Initiative will generate the same amount of electricity produced by three to five coal-fired plants.

The average annual amount of available sunlight varies only by about 30 percent throughout the continental United States.

In the United States, photovoltaic (PV) output is well-matched to the needs of many utilities for peak power during the daytime for commercial and air conditioning loads.

The United States, an intense user of energy, has about 4,000 times more solar energy than its annual electricity use.

FY 2001 ENERGY AWARENESS MATERIALS SURVEY

Please complete the following questionnaire and email to lippertj@deanryan.com. When you respond, we'll email new promotional images to use in your program as a bonus! If you do not have access to the web, please fax to SURVEY at (703) 548-6855 no later than 15 December 2000. Your comments are important to ensuring the effectiveness of future energy awareness materials.

1. How would you characterize personnel's response to each of the following FY 2001 energy awareness materials?

	EXCELLENT	GOOD	POOR
Calendar day planners			
Collapsible water bottles			
"Coozie" can coolers			
Travel coffee Mugs			
Magnets			
Pens			
Post-it Notes			
New 10" Banners			
Energy Manager's CD-ROM			

If you checked poor for any of the materials, please provide a brief explanation.

2. How useful did you find the specific items listed on the Energy Manager's CD-ROM?

	EXCELLENT	GOOD	POOR
NEW MATERIALS			
Building Energy Monitors Guide			
DOD Energy Manager's Handbook			
New DON energy logo image			
Energy & Water Fun Kit			
Coloring book pages			
Ozone layer comic book			
Crossword puzzlers			
Word search puzzlers			
Mazes			
Rebus PICLISH (Picture/English) puzzler			
Square stickers			
Rectangular stickers			
Door hangers			
T-shirt transfer designs			
"Magic Show"			
"Good Book of Spells"			
EXISTING MATERIALS			
Energy Manager's Energizing Guide			
175 Tips to Save Energy			
Myths & Reality			
Did You Know...			
What It Costs to Run Appliances Chart			
365 Energy and Water Facts			
Motivational Quotes			
Tips & Clips			

3. How did you distribute energy awareness materials—i.e., Energy Fair, Building Energy Monitors, Incentives, General Distribution, etc.?

4. Could you make use of additional materials? If yes, which materials?

5. Did the energy awareness materials arrive in good condition? ☐ YES ☐ NO

If no, please describe in detail.

6. Did the awareness materials arrive in time for Energy Awareness Week? ☐ YES ☐ NO

If not, when did you receive them? _____

What is your location? _____

7. Please list any suggestions for next year's awareness materials.

Current and complete mailing addresses reduce mailing costs significantly and ensure the materials quickly reach the proper person. Please indicate below if you have an address correction/change of address or can provide a complete street address where the awareness materials can be delivered (as opposed to a P.O. Box or incomplete street address). Please specify your current mailing address (as it appears on the mailing label of this newsletter) and the new, updated address (with complete street address, if possible) where next year's materials should be sent.

CURRENT ADDRESS: _____ UPDATED ADDRESS (complete street address): _____

Region _____ Claimant _____ DSN _____ UIC _____

Other Comments/Suggestions: _____



Check it Out

GOING SOLAR

Electricity from solar photovoltaics is one of the fastest growing energy sources. Prices per peak watt continue to drop. Solar water heating is experiencing a comeback. Maybe it's time for your activity to consider installing solar if it hasn't already.

To help in your solar energy awareness, check out the Going Solar Educational Campaign established by the Interstate Renewable Energy Council, American Solar Energy Society, North Carolina Solar Center, and other national organizations. The Going Solar website provides information and help for those interested in using solar energy in their communities. Set your browser to <http://irecusa.org/goingsolar/>

As part of their campaign, the solar organizations developed the Going Solar Model Education Kit. Components of this kit are now available electronically at the Going Solar website. You can download colorful posters and brochures—many available in PDF format—developed by the U.S. Department of Energy (DOE), DOE laboratories, utility companies, and state energy organizations. More than 15 fact sheets describe a wide range of solar applications and related topics, and photos illustrate many applications.

Don't forget to get your PAO involved. Streaming video can be downloaded and viewed for free via RealPlayer, and VHS video cassettes can be purchased for airing on your base television station. Radio public service announcements are available as well.

The site's Solarium Home Page offers a listserve where network members can post messages to other network members, ask for advice, and exchange ideas with those promoting solar energy in their communities. Visitors can browse the archives to see what network members are saying.

So get going—Going Solar!

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Watts News?

We want to hear from you.

Tell us about the energy initiatives you're working on, the problems you encounter, and the solutions you discover.

Submit article ideas, comments, or questions to:

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phone: 703-548-8115
fax: 703-548-6855
e-mail: lippertj@deanryan.com

Be sure to include your name and commercial phone number.

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